



# ADVANCED MARITIME EMISSION CONTROL SYSTEM

Barge-Based Emission Control



Barge-Based At-Berth or At-Anchor,  
Land-Based

## System

Approved as a Shore-Power Alternative Technology by the California Air Resource Board

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The Advanced Maritime Emission Control System (AMECS) has been in development since 2004. After years of work, several patents and over 1,500 hours of documented testing on over 70 vessels, the AMECS system stands as the premier alternative to shore power.

AMECS captures and removes airborne emissions from diesel auxiliary engines and auxiliary boilers of ocean-going vessels at berth and/or at anchor. No modification of the vessel is required and there is no impact on loading or offloading operations

96%

PM Removed  
(CARB Approved @ 90%)


98%

NOx Removed  
(CARB Approved @ 90%)


99%

Percent Removal of SO<sub>2</sub>

## AMECS In The News



AEG Receives California Air Resource Board Approval for its Advanced Maritime Emission Control System ("AMECS") Technology – "Game-changer" in emissions control/air quality; reduces port pollution from ships.



**BusinessWire**

– [BusinessWire](#)

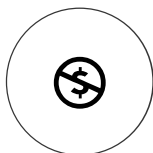
## Key Benefits

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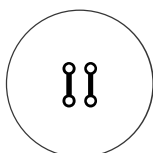
## AT-BERTH READY

AMECS has been approved by CARB as an approved alternate technology under the At-Berth Regulation.



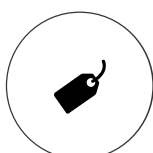
## NO SHIP MODS

AMECS does not require ANY costly ship modifications.



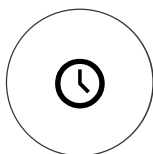
## MULTIPLE STACKS

AMECS Systems can handle multiple exhaust ports at the same time.



## ECONOMIC STABILITY

AMECS barge-based systems are independent of unstable and expensive power grid.



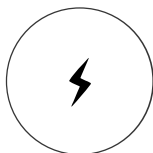
## RAPID CONNECTION

AMECS can be deployed rapidly upon arrival – in minutes.



## ENVIRONMENTAL MITIGATION

AMECS systems are ideal for providing proven and measurable environmental mitigations.



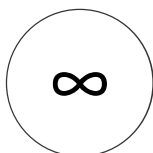
## NO SHORE POWER INFRASTRUCTURE NEEDED

Ports without shore power can use AMECS and avoid expensive infrastructure upgrades.



## MAXIMUM FUEL FLEXIBILITY

AMECS achieves the same emissions reductions regardless of fuel type used (bunker v. low-sulfur)



## OPERATIONAL FLEXIBILITY

A shore power investment at a berth provides the capability to handle one ship at just that one specific berth. An investment in AMECS provides port-wide emission reduction capability.

## AMECS Intro Video

AMECS



## 2016 Long Beach State Of The Port



# Contact AMECS For More Information

## Contact The AMECS Team

Follow us on Twitter



## AMECS Attaches To The @cmacgm #cmacgmusa Benjamin Franklin At The @portoflongbeach

February 22, 2016 / in AMECS /

[Read more → \[http://advancedemissioncontrol.com/?p=496\]](http://advancedemissioncontrol.com/?p=496)



## AMECS Praised At 2016 Long Beach State of the Port Address

January 23, 2016 / in AMECS /

The AMECS system was hailed as one of the successes of the port's clean air plans at the recent 2016 "State of the Port" address. CEO John Slangerup's comments were as follows: "One recent TAP success story was our investment in the AMECS project, which was developed right here in Long Beach. AMECS stands for [...]"

[Read more → \[http://advancedemissioncontrol.com/?p=488\]](http://advancedemissioncontrol.com/?p=488)